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APPLICATION NO.	NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/932,216	16 08/17/2001		Wenhua Yang	2550/111	4914
2101	7590	09/23/2005		EXAMINER	
		STEIN LLP	CUNNINGHAM, TERRY D		
125 SUMMI BOSTON M			ART UNIT	PAPER NUMBER	
BOSTON, I	BOSTON, MA 02110-1618				
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DATE MAILED: 09/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		AK				
	Application No.	Applicant(s)				
	09/932,216	YANG, WENHUA				
Office Action Summary	Examiner	Art Unit				
	Terry D. Cunningham	2816				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio- Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mai earned patent term adjustment. See 37 CFR 1.704(b).	1.136(a). In no event, however, may a replepty within the statutory minimum of thirty (ind will apply and will expire SIX (6) MONTHute, cause the application to become ABA	ly be timely filed 30) days will be considered timely. IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 10	August 2005.					
2a) This action is FINAL . 2b) ⊠ Th	nis action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		.,				
4) Claim(s) 1-15 and 18-37 is/are pending in the 4a) Of the above claim(s) 21-28 is/are withdress. 5) Claim(s) is/are allowed. 6) Claim(s) 1-15 and 18-37 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and Application Papers	awn from consideration. /or election requirement.					
9) ☐ The specification is objected to by the Examin 10) ☐ The drawing(s) filed on 04 October 2001 is/an Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the I	re: a)⊠ accepted or b)⊡ objointed drawing(s) be held in abeyance ection is required if the drawing(s)	e. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in App fority documents have been re au (PCT Rule 17.2(a)).	olication No eceived in this National Stage				
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date		Mail Date mal Patent Application (PTO-152)				

Application/Control Number: 09/932,216

Art Unit: 2816

DETAILED ACTION

Summary of changes in this action

- 1. The New Matter rejection has been overcome responsive to the amendment.
- 2. The indefiniteness rejection has been overcome.
- 3. Indicated allowable subject matter hereby removed responsive to newly cited art.

Claim Objections

Claims 30-31 are objected to as being redundant to claims 1 and 8. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 6-15, 18-20 and 29-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Spanoche (USPN 6,538,491). Spanoche discloses, in Fig. 10, a circuit comprising: "a first stage (between the phantom lines)...having an output switch (610) and an amplifier (400)"; "a second stage (right of second phantom line)...having an input switch (621); "a bootstrap module (623); and "a common node (connecting R1, T2 and 400), all connected and operating similarly as recited by Applicant.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4-5 and 32-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Spanoche (USPN 6,538,491) in view of Foss et al. (USPN 5,828,620). The above-discussed circuit to Spanoche discloses a circuit similar to that claimed, but does not disclose any details regarding the charge pump 623. The reference to Foss et al. discloses, in Fig. 3, a charge pump circuit having complementary transistors. Therefore, it would be more than reasonable to consider any of the transistors to be "complementary" since each is complementary to another transistor. The reference to Foss et al. discloses that the circuit has the advantage of eliminating drift. Therefore, it would have been obvious for one skilled in the art to use the specific charge pump circuit in Fig. 3 of Foss et al. for the broad charge pump of Spanoche to obtain the expected advantage of eliminating drift in the combination.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

Application/Control Number: 09/932,216

Art Unit: 2816

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC September 20, 2005 Art Unit 2816 Terry D. Cunningha Primary Examine Art Unit 2816